nufacturer: AWE WÄRMEPUMPEN
del: ELW 20
- to-water heat pump
y-temperature heat pump: yes
ipped with a supplementary heater: no
t pump combination heater: no
olication: medium
nate: average

Item	Symbol	Value	Unit		
Rated heat output *	Prated	19	kW		
Declared capacity for heating for part load at indoor temperature 20 $^{\circ}$ C and outdoor temperature T_{j}					
<i>T_j</i> = - 7 ℃	Pdh	14,9	kW		
<i>T_j</i> = + 2 °C	Pdh	18,1	kW		
<i>T_j</i> = + 7 °C	Pdh	22,6	kW		
<i>T_j</i> = + 12 °C	Pdh	26,0	kW		
T_j = bivalent temperature	Pdh	15,7	kW		
T_j = operation limit	Pdh	13,8	kW		
For air-to-water heat pumps: $T_j = -15 ^{\circ}\text{C}$ (if $TOL < -20 ^{\circ}\text{C}$)	Pdh	12,2	kW		
Bivalent temperature	T _{biv}	-5	°C		
Power input "compressor off"		0	W		
Power consumption in modes other than active mode					
Off mode	P _{OFF}	0	W		
Thermostat-off mode	P _{TO}	5	W		
Standby mode	P_{SB}	20	W		
Crankcase heater mode	P _{CK}	0	W		
Other items	•				
Capacity control	fixed				
Sound power level, indoors/outdoors	L _{WA}	40 34	dB		
Annual energy consumption	Q _{HE}	14811	kWh		

Item	Symbol	Value	Unit	
Seasonal space heating energy efficiency	ης	105	%	
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 $^{\circ}$ C and outdoor temperature $_{I}^{\circ}$				
<i>T_j</i> = - 7 °C	COPd	2,16		
<i>T_j</i> = + 2 °C	COPd	2,75		
<i>T_j</i> = + 7 °C	COPd	2,94		
<i>T_j</i> = + 12 °C	COPd	3,19		
T_j = bivalent temperature	COPd	2,37		
T_j = operation limit	COPd	1,89		
For air-to-water heat pumps: $T_j = -15$ °C (if $TOL < -20$ °C)	COPd	1,52		
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C	
Heating water operating limit temperature	WTOL	0	°C	
Supplementary heater				
Rated heat output *	P _{sup}	5,62	kW	
Type of energy input	electricity			
For air-to-water heat pumps: Rated air flow rate, outdoors	-	6500	m ³ /h	
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-		l/h	

Contact details: AWE WÄRMEPUMPEN,

^{*} For heat pump space heaters and heat pump combination heaters, the rated heat output *Prated* is equal to the design load for heating *Pdesignh*, and the rated heat output of a supplementary heater *Psup* is equal to the supplementary capacity for heating *sup(Tj)*.